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Revision of UNECE standards

Uniformity in size for apples

This document presents the five options on uniformity in size for apples. These options were considered at the 2012 and 2013 sessions of the UNECE Specialized Section on Standardization of Fresh Fruit and Vegetables.

Option 1 (the 2013 version of the standard)

To ensure uniformity in size, the range in size between produce in the same package shall not exceed:

(a) For fruit sized by diameter:

- 5 mm for "Extra" Class fruit and for Classes I and II fruit packed in rows and layers
- 10 mm for Class I fruit packed in sales packages or loose in the package.

(b) For fruit sized by weight:

- For "Extra" Class and Class I and II fruit packed in rows and layers:

Range (g)	*Weight difference (g)*
70-90	15
91-135	20
136-200	30
201-300	40
> 300	50

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- For Class I fruit packed in sales packages or loose in the package:

Range (g)	*Weight difference (g)*
70-135	35
136-300	70
> 300	100

There is no sizing uniformity requirement for Class II fruit packed loose in the package or in sales packages.

Option 2 (proposal by the WG, November 2011, INF.7)

To ensure uniformity in size, the range in size between produce in the same package shall not exceed:

(a) For fruit sized by diameter:

- 5 mm for "Extra" Class
- 10 mm for Class I.

(b) For fruit sized by weight:

- For "Extra" Class:

Range (g)	*Weight difference (g)*
70-90	15
91-135	20
136-200	30
201-300	40
> 300	50

- For Class I:

Range (g)	*Weight difference (g)*
70-135	35
136-300	70
> 300	100

There is no sizing uniformity requirement for Class II .

Option 3 (the existing Codex standard)

The uniformity of apples may be measured in accordance with one of the following options:

(a) By diameter:

The maximum diameter difference of apples in the same package shall be limited to:

- 5 mm if the diameter of the smallest apple is less than 80 mm
- 12 mm if the diameter of the smallest apple is equal to or over 80 mm.

Or

(b) By weight:

The maximum difference by weight between apples in the same package shall be limited to:

- 15 g if the weight of the smallest apple is 90 g
- 20 g if the weight of the smallest apple 90 g and over but under 135 g
- 30 g if the weight of the smallest apple is 135 g and over but under 200 g
- 40 g if the weight of the smallest apple is 200 g and over but under 300 g
- 50 g if the weight of the smallest apple is over 300 g.

There is no size uniformity for apples packed loose in the package or sales package.

Option 4

To ensure uniformity in size, the range in size between produce in the same package shall not exceed:

(a) For fruit sized by diameter:

- 12 mm

(b) For fruit sized by weight:

Range (g)	*Weight difference (g)*
70-135	35
136-300	70
> 300	100

There is no sizing uniformity requirement for Class II.